July 14, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
                    Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                    CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of July 18, 2016:

None

The following RFCs are in progress:

RFC #682 - Add Alaska data into the Climate Division process, which requires
current and previous month's processed temperature and precipitation output
data. Currently, the process only outputs current month's precipitation and
temperature data, so the change will allow the output of both current and
previous month's data. To be implemented on July 14 at 1400Z.

The following NCO RFCs to be implemented the week of July 18, 2016 may
affect CPC:

RFC #2117 – WCOSS: Replace parts on Luna – IBM will replace components
on Luna that are at risk of corrosion due to recent condensation issues. This
process will include one day of non-impactive preparation followed by 2 days of
outage while IBM replaces parts cabinet-by-cabinet. Implementation to begin on
July 18 at 1200Z and be completed by 2300Z on June 20.

The following NCO RFCs are in progress and may affect CPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide in early August. This work should be completed on both WCOSS systems by August 15.

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07), effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of July 18, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of July 11, 2016 may affect OPC:

RFC #2117 – WCOSS: Replace parts on Luna – IBM will replace components on Luna that are at risk of corrosion due to recent condensation issues. This process will include one day of non-impactive preparation followed by 2 days of outage while IBM replaces parts cabinet-by-cabinet. Implementation to begin on July 18 at 1200Z and be completed by 2300Z on June 20.

The following NCO RFCs are in progress and may affect OPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide in early August. This work should be completed on both WCOSS systems by August 15.

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07), effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

RFC #2097 – GMDSS will be declared live on the College Park Telecommunications Gateway. Was to be implemented on July 12 at 1200Z; postponed to July 14 at 1830Z.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of July 18, 2016:

None

The following will be implemented the week of August 1, 2016:

RFC #685 – Excessive Rainfall Outlook v2016.07.25 - Implement a set of scripts to replace the "See Text" label with a Marginal contour for the excessive rainfall outlook. Also allow forecasters to draw high risk areas on Day 2 (previously limited to Day 1). To be implemented on August 1 at 1300Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of July 18, 2016 may affect WPC:

RFC #2119 – Modify the DBNet cleanup on NCOSRV to fix a regular expression that's not cleaning up forecast hours 20 or 21 for the parallel RAP in NAWIPS. To be implemented on July 18 at 18Z.

The following NCO RFCs are in progress and may affect WPC:

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07),

effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

   Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

2. Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.